

Friday 10 February 2023

School of Chemistry, University of Melbourne

Session 1	Chair: Colette Boskovic	
9.00 - 9.05	Colette Boskovic <i>University of Melbourne</i>	Welcome
9.05 - 9.30	Glen Deacon <i>Monash University</i>	Setting the scene: history of rare earth activities in Australia
9.30 - 9.45	Charles Croft <i>University of Melbourne</i>	Application of polymer inclusion materials for rare earth separation
9.45 - 10.00	Peter Junk <i>James Cook University</i>	Synthetic approaches to highly reactive rare earth complexes
10.00 - 10.15	Carol Hua <i>University of Melbourne</i>	Stimuli-responsive rare earth materials
10.15 - 10.30	Weam Altalhi <i>University of Melbourne</i>	Competition Between Transmetalation and Electron Transfer in the Ion-Ion Reaction of Ytterbium Complex Trications and the Tetrphenylborate Anion
10.30 - 11.00	Morning tea	
Session 2	Chair: Carol Hua	
11.00 - 11.15	Evan Moore <i>University of Queensland</i>	Advanced photophysical characterisation of luminescent lanthanoid complexes
11.15 - 11.30	Max Massi <i>Curtin University</i>	Synthesis and photophysics of lanthanoid assemblies
11.30 - 11.45	Leila Hill <i>University of Sydney</i>	Lanthanide complexes for studying biological systems by luminescence and magnetism
11.45 - 12.00	Sam Walker <i>Monash University</i>	Innovative molecular sensing technologies - from simple lanthanide-based complexes to coordination cages
12.00 - 12.15	Ben Fraser <i>ANSTO</i>	Gadolinium-157 neutron capture agents for cancer treatment and Lu-177 and Tb-161 for radionuclide therapy
12.15 - 12.30	David Turner <i>Monash University</i>	Rare earth quinolinolates
12.30 - 12.45	John Stride <i>University of NSW</i>	Massively porous rare earth metal organic frameworks
12.45 - 1.00	Claire Gregg <i>Davies Collison Cave</i>	Maximising value from rare earth innovation using patents
1.00 - 2.00	Lunch	
Session 3	Chair: Evan Moore	
2.00 - 2.15	Colette Boskovic <i>University of Melbourne</i>	Rare earth molecular materials and magnetometry
2.15 - 2.30	Richard Mole <i>ANSTO</i>	Inelastic neutron scattering: a tool for measuring crystal field excitations in rare earth compounds

2.30 - 2.45	Brendan Kennedy <i>University of Sydney</i>	Structures and disorder in pyrochlore oxides
2.45 - 3.00	Alexander Brown <i>University of Sydney</i>	Rare earth doping of ferrite perovskites: influence on structure, magnetism and ionic conduction
3.00 - 3.15	Scott Sulway <i>University of NSW</i>	Sulway Ion Magnets - SIM research at UNSW
3.15 - 3.30	Marcus Giansiracusa <i>University of Melbourne</i>	Exploring Exotic Rare-Earth Crystal Fields for Single-Molecule Magnetism
3.30 - 3.45	Anthony Somers <i>Deakin University</i>	Rare earth organic compounds as corrosion inhibitors
3.45 - 4.10	Afternoon tea	
Session 4	Chair: Peter Junk	
4.10 - 4.25	John Stride <i>University of NSW</i>	Takeaway messages from talking to industry
4.25 - 5.00	Round table discussion	(1) The future of this meeting (2) Opportunities for rare earth chemistry in Australia
5.00	Close	

Thanks to our sponsors...

